**Dahua** TECHNOLOGY

# DH-AWA6330-C

## 802.11ax Indoor Wireless Access Point

- 802.11ax Indoor Wireless Access Point.
- Internal Antennas 6 Streams Triple Radio.
- Up to 3.267 Gbps access rate.
- DL/UL MU-MIMO.
- OFDMA.
- RF Optimizing Engine.
- Maximum transmit power up to 20 dBm.
- Antenna gain up to 5 dBi.

| 6th Generation Wi-Fi | 3300 Mbps Wireless Speed | 2.5G Uplink | Tri-band Concurrent | HD | |
|---|---|---|---|---|---|

## System Overview

DH-AWA6330 series access point is the latest generation wireless access point developed based on 802.11ax standard. They are designed with creative triple-radio 802.11ax technology standard respectively, and provide a transmission speed at least 2 times faster than 802.11ac products. This makes the series suitable for high-density access scenarios, such as hotel, retail stores and smart enterprise campus. It is compact in appearance and supports both wall mounting and ceiling mounting.

## Scene

It suitable for high-density access scenarios, such as hotel, retail stores and smart enterprise campus.

## Technical Specification

### Hardware

| | |
|---|---|
| Weight (excluding mounting accessories) | 0.94 kg (2.07 lb) |
| Dimensions (excluding mounting and accessories) | 210 mm × 210 mm × 45 mm (8.27" × 8.27" × 1.77") (L × W × H) |
| Ethernet Ports | 1 x 100M/1000M/2.5Gbps Base-T RJ-45<br>1 x 100M/1000 Mbps Base-T RJ-45 |
| PoE | Port1 (2.5GE): 802.3at/802.3af<br>Port2 (GE): PSE, 802.3af |
| Local Power Supply | 54 VDC |
| Antenna | Built-in omni-directional antenna<br>Radio 1 : 5dBi antenna gain @ 5G<br>Radio 2 : 5dBi antenna gain @ 5G<br>Radio 3 : 5dBi antenna gain @ 2.4G or 5dBi antenna gain @ 5G |
| Working Frequencies | 802.11ax/ac wave2/ac/n/a: 5.725 GHz–5.850 GHz; 5.47 GHz–5.725 GHz; 5.15 GHz–5.35 GHz<br>802.11ax/b/g/n: 2.4 GHz–2.483 GHz<br>MIMO-OFDM (11n): MCS 0-31<br>MIMO-OFDM (11ac): MCS 0-11<br>MIMO-OFDM (11ax): MCS 0-11 |
| Modulation Mode | 11b: DSS: CCK@5.5/11 Mbps, DQPSK@2 Mbps, DBPSK@1Mbps<br>11a/g: OFDM: 64QAM@48/54Mbps, 16QAM@24 Mbps, QPSK@12/18 Mbps, BPSK@6/9 Mbps<br>11n: MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM<br>11ac: MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM, 256QAM<br>11ax: MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM |
| Maximum Transmit Power | 20 dBm |
| Reset/Restoration To Factory Default | Yes |
| State LED | Alternating flashing mode, orange/green/blue for different working states, breathing mode |
| Enviorment | Indoor |

| Working Temperature | −10 °C to 55 °C (14 °F to 131 °F) |
|---|---|
| Storage Temperature | −40 °C to 70 °C(−40 °F to +158 °F) |
| Working Humidity | 5%–95% (non-condensing) |
| Storage Humidity | 5%–95% (non-condensing) |
| Protection Class | IP42 |
| EMC | CE EMC, CE RED |
| MTBF | >250000H |

## Software specifications

| Compliance | Compliant with 802.11a/b/g/n/ac/ac wace2/ax |
|---|---|
| Working Frequencies And MIMO | 1. 5G (1) 2*2 MIMO 1.2 Gbps+5G (2) 2*2 MIMO 1.2 Gbps+5G (3) 2*2 MIMO 0.867 Gbps<br>2. 5G (1) 2*2 MIMO 1.2Gbps+5G (2) 2*2 MIMO 1.2 Gbps+2.4G 2*2 MIMO 0.4 Gbps<br>3. 5G (1) 2*2 MIMO 1.2Gbps+2.4G 2*2 MIMO 0.575 Gbps+5G(2) 2*2 MIMO 0.867 Gbps<br>4. 5G (1) 2*2 MIMO 1.2Gbps+2.4G (1) 2*2 MIMO 0.575 Gbps+2.4G (2) 2*2 MIMO 0.4 Gbps |
| Bandwidth | 20 MHz/40 MHz/80 MHz |
| WLAN Basics | Maximum number of clients per radio: 512<br>Virtual APs: 32<br>Open system/shared key authentication<br>Broadcast probe request acknowledge control<br>Concurrent login of WPA, WPA2, WPA3 and Pre-RSNA users<br>RTS/CTS<br>CTS-to-self<br>802.11k and 802.11v smart roaming<br>802.11r fast transition roaming<br>Advanced Traffic Management<br>Restrict low rate/sticky terminals access<br>Channel reuse<br>Receiver sensitivity adjustment<br>Automatic channel/power/bandwidth adjustment<br>Hide SSID<br>Hotspot 2.0 |
| Security Policy | WEP-64/128/152bit, dynamic WEP, TKIP, AES, EAP, CCMP, WPA3<br>Multiple triggering conditions for unicast and broadcast key update<br>Support 802.11i<br>802.1X authentication, MAC authentication, PSK authentication, Portal authentication, PPSK<br>Layer 2 user isolation<br>SSID-based user isolation<br>Packet filtering<br>MAC address filtering<br>Broadcast storm suppression<br>Wireless EAD<br>SSID and VLAN binding<br>Rogue device detection and countermeasure<br>Dynamic ARP Inspection<br>IP Source Guard (IPSG)<br>WIDS/WIPS<br>Management frame protection (802.11w) |
| AAA | RADIUS client<br>Multiple-domain authentication server<br>Backup authentication server |

| Layer 2 And Layer 3 Features | IP address configuration: Static IP (available only in fat AP mode)/DHCP assigned IP (Option 60)<br>IPV6: Native IPv6/IPv6 Portal/IPv6 SAVI<br>ACL: IPv4/IPv6<br>Local forwarding based on SSID and VLAN<br>Link Layer Discovery Protocol (LLDP)<br>SSID-based VLAN assignment<br>EoGRE Tunnel<br>Multicast: IGMP Snooping/MLD Snooping |
|---|---|
| QoS | 802.11e: Wi-Fi Multimedia (WMM)<br>802.1p priority and marking on Ethernet ports<br>Priority mapping for wired and wireless packets<br>SSID/VLAN and QoS policy mapping<br>Layer 2 to Layer 4 packet filtering and traffic classification<br>CAR<br>Client bandwidth management<br>Traffic-based load balancing<br>Session-based load balancing<br>Frequency-based load balancing (supports dual-band)<br>Band navigation (5G priority)<br>Multicast optimization (IPv4/IPv6)<br>Call Admission Control (CAC)<br>Airtime optimization<br>Airtime fairness<br>Layer 4-7 application identification<br>SVP Phone<br>Per-packet power control (PPC) |
| Management And Maintenance | AP Working Mode: Fit/Fat<br>Network management:Trap, HTTP(S), SSH, Telnet, FTP/TFTP, SNMP V1/V2/V3 only applicable in Fat mode<br>Management SSID<br>Syslog<br>Remote probing and analysis |

## Dimensions (mm[inch])



210.0[8.27]  43.0[1.69]  210.0[8.27]